

Analysis of multipoint measurements of plasma turbulence

*Michael A Balikhin¹, Simon N Walker¹

1. University of Sheffield

The presentation is devoted to the review of advanced methods for the analysis of multipoint measurements of plasma turbulence. Both time and frequency domain methods are reviewed. Using examples of in situ spacecraft observations of plasma turbulence it is shown how the system science based approaches can be used to identify linear and nonlinear dynamical processes within the turbulence.

Keywords: Turbulence, Dynamical processes